

Application No. 10/650,359
Amendment Dated December 13, 2004
Reply to Office Action dated August 11, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) Method for manufacturing an electrical cable system (1) ~~comprising~~ having an electrical cable (10) containing a conductor core, (2) and for installing said electrical cable system over a longitudinally expandable-contractible element, said method comprising the (1', 6) ~~characterized in that it comprises the successive~~ steps of:

disposing a secondary element (3) over said electrical cable, said secondary element being a radially expandable hose, so as to give said electrical cable substantially attached undulations (100) thereby forming an additional length, said additional length formed by stranding said radially expandable hose around said electrical cable in a helical formation, where said electrical cable and said radially expandable hose are both twisted relative to one another;

installing, by clamping at least at two points, said electrical cable system to said longitudinally expandable-contractible element (1'); and

handling said secondary element after said clamping so as to release the attachment of said undulations, thereby converting said additional length into a free to be used excess length.

2. (cancelled without prejudice)

3. (currently amended) Method according to claim 2 ~~characterized in that it~~
~~comprises~~ further comprising the step of radially expanding said hose (3) by providing high
internal pressure within said hose before said stranding process, in that the method ~~comprises~~
includes the step of maintaining said high internal pressure during the clamping process, and in
that said handling process consists of reducing said internal pressure, causing said hose to be
being radially non expanded.

4. (currently amended) Method according to any of claims 2 ~~or 3~~ ~~characterized in~~
~~that it comprises~~ further comprising the step of providing a common outer sheath (5) surrounding
said radially expandable hose (3) and said electrical cable (10).

5. (currently amended) An electrical ~~Electrical~~-cable system (1) ~~comprising~~ having
an electrical cable (10) containing a conductor core (2) and suitable for being installed by
clamping over a longitudinally expandable-contractible element (1', 6) ~~characterized in that it~~
~~comprises~~ comprising:

a secondary element (3), said secondary element being a radially expandable hose, which
is disposed over said electrical cable in a way to give said electrical cable substantially attached
undulations (100) before and during said clamping, thereby forming an additional length, said
additional length formed by stranding said radially expandable hose around said electrical cable
in a helical formation, where said electrical cable and said radially expandable hose are both
twisted relative to one another, and wherein ~~in that~~ said secondary element is handleable in

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order to release the attachment of said undulations after said clamping, thereby converting said additional length in a free to be used excess length.

6. (currently amended) Electrical cable system (1) according to claim 5
~~characterized in that~~ wherein said ~~secondary element is a radially expandable hose (3) with said~~
has an adjustable internal pressure.

7. (cancelled without prejudice)

8. (currently amended) Electrical cable system (1) according to ~~any of claims 5 to 7~~
~~characterized in that it comprises~~ further comprising a common outer sheath (5) surrounding said
secondary element (3) and said electrical cable (10).

9. (currently amended) Electrical cable system (1) according to ~~any of claims 5 to 8~~
~~characterized in that~~ wherein said conductor core (2) is a copper core and is covered with a
polymer insulation sheath (4).

10. (currently amended) Heating system comprising an electrical cable system (1)
according to ~~any of claims 5, to 9 and~~ to be clamped at least at two points to a subsea pipeline
(1').